

**Semmelweis University, Faculty of Dentistry - single, long-cycle medical training -
Osztatlan általános fogorvos képzés**

Name of the host institution (and any contributing institution):

II. Sz. Gyermekgyógyászati Klinika, Gyermekgyógyászati Klinika Tűzoltó utcai részleg

Name of subject: Pediatrics

in English: Pediatrics

in German: Kinderheilkunde

Credit value: 1

Semester: 8th semester

(in which the subject is taught according to the curriculum)

Hours per week	Lecture	Practical lesson	Seminar
1.5	0.5	0.5	0.5

Hours per semester	Lecture	Practical lesson	Seminar
21.0	7.0	7.0	7.0

Type of course:

obligatory

Academic year:

FOK 2026/2027. tanév

Language of instruction (for optional and elective subjects):

Angol

Course code:

FOKVGY2369_1A

(in the case of a new course, to be completed by the Dean's Office, following approval)

Course coordinator name: Dr. Kovács Gábor (klinikai főorvos)

Course coordinator location of work, telephone availability: Semmelweis Egyetem

Gyermekgyógyászati klinika Tűzoltó utcai részleg +36-1-2151380

Course coordinator position: head of department

Course coordinator Date and number of habilitation: Date 2009.06.02. Number 279

Objective of instruction and its place in the curriculum:

As in their University curriculum dentistry students start to study pediatrics parallel to their internal medicine training and before studying pediatric dentistry, the Department's new curriculum focuses more on propedeutics. Practices and consultations are intended to introduce students to fundamental medical skills and knowledge that they will utilize not only at their working sites but soon during the university years.

During the practices /consultations the students will be able to 'meet' real cases and understand the structure of medical care; on the other hand the consultations will provide a possibility for them to learn the usage of data sources, search for and find professionally correct information in medical databases and making up a short presentation on dentistry-focused pediatric topics.

Method of instruction (lecture, group work, practical lesson, etc.):

lectures, seminars, practices

Competencies acquired through completion of course:

Describing the method and specificity of history taking and physical examination in different ages, as well as the different dosage forms used in pediatrics.
Understanding the method of making up the diagnosis and initiating adequate treatment from history taking, through physical examination and laboratory testing&imaging.
Understanding the components of health surveillance, screening programmes and primary/secondary prevention.
Practicing assertive and effective communication skills with patients and families.

Course outcome (names and codes of related subjects):

Prerequisites for course registration and completion: (CODE):

Pathology, Oral Pathology

In the case of multi-semester courses, position on the possibility of and conditions for concurrent registration:

The number of students required to start the course (minimum, maximum), student selection method:

Practices max 6 students/group

Detailed course syllabus (if the course can be divided into modules, please indicate): (Theoretical and practical instruction must be broken down into hours (weeks), numbered separately; names of instructors and lecturers must be listed, indicating guest lecturers/instructors. It cannot be attached separately! For guest lecturers, attachment of CV is required in all cases!)

Lectures and Seminars

1. Introduction: somatomental development of a healthy child, care of a newborn
2. Cardiovascular diseaseses

3. Diseases of the respiratory tract (ENT incl.), infections,
4. Disorders of growth&development
5. Pediatric Surgery
6. Chronic Abdominal Pain,
7. Bleeding disorders, haematological malignancies
8. Vomiting, diarrhoea
9. Kidney and urinary tract diseases. Glomerular nephropathy
10. Lymphnode enlargement
11. Anaemia
12. Child with a rash
13. Problems of weight gain
14. Diabetes mellitus

Practices:

15. Physical Examination
16. Feeding of a baby&child; intolerances, allergies
17. Laboratory Findings (bloodcount + 'routine checkup' + urinalysis)
18. Acute care of life-threatening conditions
19. Fluid-electrolyte changes, dosage forms in pediatrics, antipyretics
20. Seizures
21. Signs of syndromes of infectious diseases

Other courses with overlapping topics (obligatory, optional, or elective courses) in interdisciplinary areas. To minimize overlaps, topics should be coordinated. Code(s) of courses (to be provided):

Requirements for attendance, options for making up missed sessions, and method of absence justification:

Attendance on the seminars and practices is obligatory. Maximum number of absences is 25 percent of the number of practices+seminars in the semester (3/14).

Assessment methods during semester (number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks):

(number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks)

There are no mandatory midterm tests during the semester

Number and type of individual assignments to be completed, submission deadlines:

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Requirements for the successful completion of the course:

Minimum 11 presences on seminars+ practices

Type of assessment:

end term examination

Exam requirements (list of topics, topics of the test exam, and the optional project topics accepted as an exam)

1. Introduction: somatomental development of a healthy child, care of a newborn
 2. Cardiovascular diseases
 3. Diseases of the respiratory tract (ENT incl.), infections
 4. Disorders of growth&development
 5. Pediatric surgery
 6. Chronic abdominal pain
 7. Bleeding disorders, haematological malignancies
 8. Physical examination
 9. Feeding of a baby&child; intolerance, allergy
 10. Laboratory findings (bloodcount + 'routine checkup' + urinalysis)
 11. Acute care of life-threatening conditions
 12. Fluid-electrolyte changes, dosage forms in pediatrics, antipyretics
 13. Seizure
 14. Signs and symptoms of infectious diseases
 15. Vomiting, diarrhoea
 16. Diseases of the kidney and urinary tract. Glomerular nephropathy."
 17. Lymphnode enlargement
 18. Anaemia
 19. Child with a rash
 20. Failure to thrive, Endocrine emergencies
 21. Diabetes mellitus
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Clear, specific minimum requirements for assessment. (The list of mandatory concepts, parameters, diagrams, calculations, and practical skills required to obtain a passing grade, as well as the criteria for the completion and evaluation of project assignments accepted as an exam.) A link published on the department's website referring to the minimum requirements of the course.

1. Apgar score - definition, milestones of weight development in the first year of life
2. Antibiotic prophylaxis in congenital heart diseases, definition of cyanosis
3. Physical signs suspicious for aspiration, management
4. Calculation of parental target height, possible causes of failure to thrive
5. Differential diagnosis of acute abdomen in children and infants
6. Alarming symptoms in chronic abdominal pain, symptoms and signs of celiac disease

7. Physical examination signs indicating bleeding disorders, anamnestic data, signs of acute leukemia in blood count
8. Physical signs of acute increased intracranial pressure, physical signs of dehydration
9. Difference between intolerance and allergy
10. Interpretation of blood count abnormalities, normal values at different ages
11. Rules of CPR in childhood
12. Normal Na, K, and pH values, conditions leading to their abnormalities
13. Causes of grand mal seizures
14. Symptoms and management of follicular tonsillitis, symptoms of mononucleosis, symptoms of varicella
15. Causes of vomiting, treatment of diarrhoea
16. Symptoms, laboratory abnormalities, and management of glomerulonephritis and pyelonephritis, symptoms of nephrosis
17. Causes of lymph node enlargement
18. Symptoms and laboratory abnormalities of anemia, definition of sideropenic anemia
19. Symptoms, laboratory abnormalities, and initial management of meningitis and encephalitis
20. Definition of lack of weight gain. Definition of salt loss, definition and treatment of adrenal insufficiency
21. Laboratory abnormalities in DKA, main principles of treatment, symptoms suggestive of diabetes

Method and type of grading (Share of theoretical and practical examinations in the overall evaluation. Inclusion of the results in the end-of-term assessment. Possibilities of and conditions for offered grades.): (Share of theoretical and practical examinations in the overall evaluation, Inclusion of the results in the end-of-term assessment, Possibilities of and conditions for offered grades)

Forming a grade at the end of the course is based on a 5 grade result system reflecting on the performance on the oral exam.

Excellent (5)

Good (4)

Satisfactory (3)

Pass (2)

Fail (1)

The student's semester activity can be considered if their performance in the colloquium is not unambiguous

Artificial intelligence systems used in the teaching of the subject and the manner of their application

No artificial intelligence is used in the training but it is allowed for home preparation for classes and exams.

List of coursebooks, textbooks, study aids and literature facilitating the acquisition of knowledge to complete the course and included in the assessment, precisely indicating which requirement each item is related to (e.g., topic by topic) as well as a list of important technical and other applicable study aids; possibility of individual or group student consultation, if available:

Online resources:

Required	pdf.nem
Title	Pediatrics
Link	through moodle

Signature of habilitated instructor (course coordinator) announcing the course:

Signature of the director of the host institution:

Date of submission:
